

GALLIUM STATISTICS

By Carl A. DiFrancesco and Deborah A. Kramer

[All values in metric tons (t) unless otherwise noted]

Year	Production	Imports	Exports	Stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)	World production
1943						3,000,000	28,300,000	
1944						3,000,000	27,800,000	
1945						3,000,000	27,200,000	
1946						3,000,000	25,000,000	
1947						3,000,000	21,900,000	
1948	0.09					2,500,000	20,300,000	
1949						2,500,000	20,500,000	
1950						3,000,000	20,300,000	
1951						3,000,000	18,800,000	
1952						3,000,000	18,400,000	
1953	0.05					3,000,000	18,300,000	
1954	0.05					3,000,000	18,200,000	
1955						3,000,000	18,300,000	
1956						3,000,000	18,000,000	
1957						3,000,000	17,400,000	
1958						3,000,000	16,900,000	
1959						3,000,000	16,800,000	
1960						2,600,000	14,300,000	
1961						2,250,000	12,300,000	
1962						1,750,000	9,430,000	
1963		0.008				1,200,000	6,390,000	
1964		5.29				1,200,000	6,310,000	
1965		1.02				1,200,000	6,200,000	
1966		0.145				1,200,000	6,030,000	
1967		1.33				1,200,000	5,860,000	
1968		5.61				1,200,000	5,620,000	
1969		1.21				850,000	3,780,000	
1970		1.01			1.00	850,000	3,570,000	
1971		2.67		0.094	2.29	850,000	3,420,000	
1972		6.07		1.14	5.08	750,000	2,920,000	
1973		11.1		1.09	8.50	750,000	2,750,000	16.0
1974		6.54		0.562	6.94	775,000	2,560,000	10.0
1975		6.83		0.925	7.49	775,000	2,350,000	11.0
1976		4.92		1.69	8.88	775,000	2,220,000	14.0
1977		2.88	0.315	1.55	8.79	550,000	1,480,000	12.4
1978	5.56	3.72	0.313	1.99	8.91	550,000	1,370,000	12.2
1979	2.60	6.40	0.140	1.63	9.05	510,000	1,150,000	12.1
1980	3.00	6.18	0.265	1.88	8.81	630,000	1,250,000	17.6
1981	1.45	5.54	0.226	1.91	6.81	630,000	1,130,000	18.7
1982	1.56	5.20	0.157	1.86	6.67	470,000	794,000	18.6
1983	0	7.29	0.845	1.88	6.43	470,000	769,000	25.4
1984	0	9.67		0.926	7.06	445,000	698,000	33.5
1985	0	7.96		1.21	7.40	475,000	720,000	36.1
1986	0.75	17.2		0.813	16.0	475,000	706,000	45.5
1987		12.5		0.732	10.7	475,000	681,000	38.7
1988	0	12.2		0.788	10.7	475,000	655,000	37.0
1989	0	15.3		0.607	9.7	475,000	625,000	40.0
1990	0	9.9		0.565	9.9	475,000	593,000	37.0
1991	0	11.3		0.532	11.2	475,000	568,000	43.1
1992	0	8.5		0.727	10.6	475,000	552,000	41.0
1993	0	15.6		0.996	11.3	330,000	372,000	51.0
1994	0	16.9		1.14	15.5	325,000	357,000	53.0

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1995	0	18.1		1.44	16.9	390,000	417,000	61.5
1996	0	30.0		1.88	21.9	390,000	405,000	54.0
1997	0	19.1		2.02	23.6	550,000	559,000	74.5
1998	0	26.3		2.00	26.9	595,000	595,000	93.3

Gallium Worksheet Notes

Data Sources

The sources of data for the gallium worksheet were the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB), Minerals Facts and Problems (MFP), and Metal Prices in the United States through 1998 (MP98). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data either were not available or were withheld because they are proprietary.

Production

Production data for gallium in the United States were for refined gallium. Gallium was first produced in 1943. Data were from the MFP for the years 1978–79 and the MYB for the years 1948, 1953–54, and 1980–98. Blank cells in the worksheet for the years 1943–47, 1949–52, 1955–77, and 1987 indicate that the data was proprietary.

Imports

Import data report the amount of gallium imported into the United States. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1943–62.

Exports

Export data report the amount of gallium exported from the United States. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1943–76 and from 1984–98.

Stocks

Stocks data report the amount of refined gallium held in stocks by consumers at the end of the year. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1943–70.

Apparent Consumption

Reported consumption was utilized for apparent consumption for the years 1970–98. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1943–69.

Unit Value (\$/t)

Unit value is the value in dollars of 1 metric ton (t) of gallium apparent consumption. Unit value was estimated for the United States in actual dollars by using price data from the MP98 for refined gallium.

Unit Value (98\$/t)

Dividing the Consumer Price Index conversion factor with 1998 as the base year into the “Unit Value,” determined previously, results in unit value in constant 1998 U.S. dollars.

World Production

World production data were for refined gallium produced. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1943–72.

References

U.S. Bureau of Mines, 1950–96, Minerals Yearbook, 1948–94.
———1985, Mineral Facts and Problems, 1985 ed.: U.S. Bureau of Mines Bulletin 675.
U.S. Geological Survey, 1997–2000, Minerals Yearbook, 1995–98.
———1999, Metal Prices in the United States through 1998.

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